In each part, an invertible function f will be defined. For each function, find its inverse.

Exercise 1 $f(x) = 4x - 7$

$$f^{-1}(x) = \boxed{\dfrac{x+7}{4}}$$

Exercise 2 $f(x) = \dfrac{x+2}{9} - 1$

$$f^{-1}(x) = \boxed{9(x+1) - 2}$$

Exercise 3 $f(x) = \sqrt[3]{x+4} - 7$

$$f^{-1}(x) = \boxed{(x+7)^3 - 4}$$